



# भारत का राजपत्र

## The Gazette of India

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सं० 33] नई दिल्ली, शनिवार, अगस्त 15, 1981 (श्रावण 24, 1903)  
No. 33] NEW DELHI, SATURDAY, AUGUST 15, 1981 (SRAVANA 24, 1903)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

### भाग III—खण्ड 2

#### [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE  
PATENTS AND DESIGNS  
Calcutta, the 15th August 1981  
CORRIGENDUM

In the Gazette of India, Part III, Section 2 dated the 10th May, 1980 under the heading "PATENTS SEALED" delete 146603.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE—214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

9th July, 1981

762/Cal/81. Formica Corporation. Aqueous acrylic contact adhesive.

763/Cal/81. Hoechst Aktiengesellschaft. A process for dyeing in the gel state, fiber material composed of wet spun acrylonitrile polymers.

764/Cal/81. Hoechst Aktiengesellschaft. Process for dyeing, in the gel state, fiber material composed of acrylonitrile polymers which have been spun from organic solvents.

765/Cal/81. Hoechst Aktiengesellschaft. Process for dyeing, in the gel state, fiber material composed of dry-spun acrylonitrile polymers.

766/Cal/81. Nitto Boseko Co. Ltd. Apparatus and method for the drawing of glass fibers. [Divisional date December 20, 1978.]

767/Cal/81. Westinghouse Electric Corporation. Method of forming solar cells by grid contact isolation.

1—197GI/81

768/Cal/81. Fives-Cail Babcock. Installation for the dry manufacture of cement.

769/Cal/81. Nihon Servo Kabushiki Kaisha. Permanent magnet type stopping motor.

770/Cal/81. P. Saha. Pneumatic calling bell.

10th July, 1981

771/Cal/81. The United States of America as Represented by the Secretary of Agriculture and Albany International Corporation. Device for insect control.

772/Cal/81. G. B. Tools & Components Exports Limited. Machine tools. (July 12, 1980).

773/Cal/81. Fried Krupp GMBH. Method and apparatus for casting and rolling metals, especially steel, at high speeds.

774/Cal/81. Veb Schwermaschinenbaukombinat "Ernst Thalmann". Method of and apparatus for the heat treatment of fine granular material.

785/Cal/81. Western Electric Company, Incorporated. High

776/Cal/81. Indian Jute Industries' Research Association. A process for the manufacture of non-spun jute tape from raw jute with flexible thermoplastics adhesive to be used for manufacture of jute fabric.

13th July, 1981

777/Cal/81. B. Das Gupta. Tubewell strainer or filter.

778/Cal/81. Indian Jute Industries' Research Association. Pre-treatment of jute and allied fibres (A).

779/Cal/81. Indian Jute Industries' Research Association. Pre-treatment of jute and allied fibres (O).

- 780/Cal/81. Metallgesellschaft. A.G. Process of producing fuels consisting mainly of diesel oil.
- 781/Cal/81. Norton Company. Grinding wheels.
- 782/Cal/81. Italfarmaco S.p.A. A pharmaceutical composition having antiphlogistic, antipyretic and analgesic activity.
- 783/Cal/81. Societe D'Etudes Scientifiques ET Industrielles DE L'Ile-DE-France. N-(1-allyl-2-pyrrolidinyl-methyl) 2-methoxy 4-amino 5-methylsulfamoyl benzamide, its method of preparation and its use as a medicament.
- 14th July, 1981
- 784/Cal/81. Chugai Denki Kabushiki-Kaisha. Sintered anti-abrasive compositions of matter and method of producing same.
- 785/Cal/81. Western Electric Company, Incorporated. High voltage solid-state. Switch (October 30, 1980).
- 786/Cal/81. Nederlandse Centrale Organisatie Voor Toegepastnatuurwetenschappelijk Onderzoek. A fuel supply system for combustion engines.
- 787/Cal/81. Surgikos, Inc. Disinfecting and sterilizing composition.
- 788/Cal/81. Siemens Aktiengesellschaft. A protective circuit for a switching transistor.
- 789/Cal/81. T. F. Bell. Bicycle frame.

15th July, 1981

- 790/Cal/81. Institut Francais DU Petrole. Stable suspensions of water-soluble polymers and their manufacture.
- 791/Cal/81. Union Carbide Corporation. Novel phosphorous esters of cyanohydrins.
- 792/Cal/81. Combustion Engineering, Inc. Solids feed nozzle for fluidized bed.
- 793/Cal/81. Johnson & Johnson. Low density peat moss board.

APPLICATIONS FOR PATENTS FILED AT THE  
PATENT OFFICE BRANCH, 61, WALLAJAH ROAD,  
MADRAS-600 002

30th June, 1981

- 128/Mas/81. S. Paramasivam. Improvements relating to files or folders.

6th July, 1981

- 129/Mas/81. Dr. D. L. Mudiraj. Shiva metal (obtained from conversion of mica into metal)

9th July, 1981

- 130/Mas/79. Indian Space Research Organisation. A machine for producing fibre reinforced plastics structural sections of uniform cross section in a continuous fashion.

#### ALTERATION OF DATE

- 149008  
477/Del/79 Ante-dated the 26th September 1977.  
149022  
99/Mas/80 Ante-dated the 7th October 1978  
149023  
195/Mas/80 Ante-dated the 2nd June, 1979

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 139A

149003.

Int. Cl.-C01b 31/02.

PROCESS FOR THE MANUFACTURE OF ACETYLENE BLACK WITH HIGH ELECTRICAL CONDUCTIVITY AND HIGH ABSORPTIVE POWER.

Applicant : PRODUITS CHIMIQUES UGINE KUHL-MANN, OF 25 BOULEVARD DE L'AMIRAL BRUX, 75116 PARIS, FRANCE.

Inventor : CLAUDE GIET.

Application No. 163/Del/78 filed March 1, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 5 Claims

A process for the preparation of an acetylene black having a carbon content greater than 99%, a mean particle diameter of 250 to 300 Å an electrical resistivity, measured under a pressure of 6.3 bars, of 0.270 to 0.350 oh m. cm and a DBP index of 400 to 500 ml per 100 g of black, which comprises effecting the incomplete combustion of acetylene by air by contacting, in a furnace, the acetylene with air preheated to a temperature at least equal to 600°C, the amounts of acetylene and air introduced being such that the molar ratio oxygen acetylene is less than 1 and at least equal to 0.08.

Comp. Specn. 16 pages.

Drg. 1 sheet.

CLASS 39M

149004.

Int. Cl.-C01b 25/22.

A METHOD AND AN APPARATUS FOR THE PRODUCTION OF WET PROCESS PHOSPHORIC ACID AND ITS SALTS.

Applicant : ALBRIGHT & WILSON LIMITED, P.O. BOX 3, OLDBURY, WARLEY, WEST MIDLANDS, ENGLAND.

Inventors : EDWARD JAMES LOWE, ARTHUR WILSON AND MICHAEL WILLIAM MINSHALL.

Application No. 262/Del/78 filed April 12, 1978.

Convention date April 12, 1977/(15135/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 27 Claims

A method for the production of wet process phosphoric acid and its salts which comprises heating wet process phosphoric acid to a temperature above 320°C to evaporate water therefrom to leave a concentrated acid by direct electrical resistance heating by passing an alternating current through the said acid in a carbon apparatus and a carbon electrode, until the concentration of the concentrated acid is at least 76% by weight P<sub>2</sub>O<sub>5</sub>, precipitating solid impurities from the concentrated acid, separating the precipitated impurities and if desired at least partially neutralizing the acid with a base to form a salt thereof before or after separation of impurities, separation of impurities being prior to neutralization if salt is insoluble.

Comp. Specn. 27 pages

Drg. 2 sheets.

CLASS 32B &amp; 40A

149005.

Int. Cl.-C10g 35/00.

CATALYTIC REFORMING PROCESS USING SULFIDED ACIDIC MULTIMETALLIC CATALYTIC COMPOSITE.

*Applicant* : UOP INC., AT TEN UOP PLAZA—ALGONQUIN AND MT. PROSPECT ROADS, DES PLAINES, ILLINOIS, U.S.A.

*Inventors*: GEORGE JOHN ANTOS, JOHN CHANDLER HAYES AND ROY THOMAS MITSCHIE.

Application No. 303/Del/78 filed April 25, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 13 Claims

A catalytic reforming process for converting a hydrocarbon comprising a gasoline fraction to produce a high octane reformate which comprises contacting the hydrocarbon at hydrocarbon conversion conditions such as herein described with a catalyst characterised in that the said catalyst is a selectively sulfided acidic catalytic composite comprising a porous carrier material formed from Ziegler alumina containing, on an elemental basis, 0.01 to 2 wt. % platinum group metal, 0.01 to 2 wt. % rhenium, and 0.1 to 10 wt. % halogen; wherein the platinum group metal and rhenium are uniformly dispersed throughout the porous alumina carrier material; wherein substantially all of the platinum group metal is present in the elemental metallic state; wherein the composite contains sulfur in an amount at least sufficient to provide an atomic ratio of sulfur to rhenium of at least 0.5 : 1 so that a substantial portion of the rhenium is maintained in a sulfided state; and wherein the sulfided state of the rhenium is continuously maintained by conventional means for the duration of the hydrocarbon conversion process.

Comp. Specn 48 pages

Drg. 1 sheet.

CLASS 70C

149006.

Int. Cl.-H01j 1/00.

AN IMPRESSED CURRENT CORROSION PROTECTION ANODE.

*Applicant* : IMI MARSTON CORROSION PROTECTION KNOWN AS MARSTON EXCELSIOR LIMITED, OF WOBASTON ROAD, FORDHOUSES, WOLVERHAMPTON WV10 6QJ, ENGLAND.

*Inventor* : MICHAEL ANTHONY WARNE.

Application No. 342/Del/78 filed May 8, 1978.

Convention date May 9, 1977/(19384/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 11 Claims

An impressed current corrosion-protection anode comprising at least three rods of metal, at least one of which is suitable for use as a cathodic protection anode, the rods being joined together by inter-connecting rigid ties so that the centre lines of the rods lie in at least three planes, the rods being connectable at one end to a source of electrical current and being adapted and arranged to be supported, in use, at the one end only in the form of a cantilever.

Comp. Specn 12 pages.

Drg. 1 sheet.

CLASS 42B

149007.

Int. Cl.-B65b 19/26.

MACHINE AND METHOD FOR SPIRALLY APPLYING WRAPPERS TO CIGAR BUNCHES.

*Applicant* : GULF & WESTERN CORPORATION, AT GULF + WESTERN PLAZA, NEW YORK, N.Y., U.S.A. 10017.

*Inventors* : ROBERT JEROME BAIER, VERN ANDERSON AND WILLIAM SANSFIELD ASELTIME.

Application No. 406/Del/78 filed May 31, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 36 Claims

A machine for spirally applying wrappers to cigar bunches said machine including means for supplying bunches having fire ends and tapered mouth ends; means for supplying elongated wrappers having flag ends; a continuously moving bunch carrier; a continuously moving wrapper carrier; means for applying bunches to the bunch carrier spaced apart in the direction of movement of the bunch carrier and with their longitudinal axes perpendicular to said direction of movement; means for applying wrappers to the wrapper carrier spaced apart in the direction of movement of the wrapper carrier, with their longitudinal axes at the said acute angle to the direction of travel of the wrapper carrier and with the tip of each wrapper foremost; each of said carriers having a different predetermined path of travel; the paths of travel of said bunch carrier and of said wrapper carrier having common portions that are coextensive; the paths of travel of said bunch carrier and of said wrapper carrier approaching each other as they approach the coextensive common portions and the tip of each wrapper reaching the common portion before the balance of such wrapper; the tip of each wrapper being brought into contact with the fire end of an associated bunch as the bunch and wrapper reach the common portions; means to apply paste to the tip of each wrapper before the wrapper reaches the common portions so that said tip will adhere to the bunch when the tip is applied to the bunch; means to spin the bunches as they traverse the common portions while the bunches are bodily moving through the common portions in a direction perpendicular to their lengths; means to move each wrapper relative to its associated bunch at such a speed that the wrapper is spirally applied to the spinning bunch; suction means to hold the wrapper to the wrapper carrier as it is being applied; flag carriers on the wrapper carrier, each flag carrier being disposed to receive the flag end of a different wrapper supported on the wrapper carrier; and means to move the flag carrier relative to the wrapper carrier in a fore and aft direction and in an inboard/outboard direction, and to angularly rotate the flag carrier to apply the flag to the tapered mouth end of the associated bunch being wrapped in such a manner as nicely to apply the flag to the mouth end of the bunch in conformance with the configuration of said end, whereby the flag-ended wrappers are spirally wrapped about the bunches while moving the bunches and wrappers continuously from a point of application of the bunches and wrappers to their respective carriers to a point of delivery spaced from the point of application.

Comp. Specn. 62 pages.

Drg. 8 sheets.

CLASS 32F,

149008.

Int. Cl.-C07d 27/00.

A PROCESS FOR THE PRODUCTION OF CHLOROTHIO-N-PHTHALIMIDE.

*Applicant* : BAYER AKTIENGESELLSCHAFT, OF 5090 LEVERKUSEN, BAYERWERK, WEST GERMANY.

*Inventors* : RUDIGER SCHUBART, PAUL UHRHAN, AND ERNST ROOS.

Application No. 477/Del/79 filed July 2, 1979.

Division of Application No. 1450/Cal/77 filed September 26, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 1 Claim. No drawings.

A process for the production of chlorothio-N-phthalimide by reacting N, N'-dithio-bis-phthalimide with chlorine or a chlorinating agent as described herein at a temperature in the range from 20 to 100°C characterised in that the reaction is carried out in the presence of light.

Comp. Specn. 6 pages.

Drgs. Nil.

CLASS 14A

149009.

Int. Cl.-H01m 35/32, 39/00, 37/00.

LEAD ACID TYPE STORAGE BATTERY AND METHOD OF MAKING THE SAME

*Applicant* : GLOBE-UNION INC., OF 5757 NORTH GREEN BAY AVENUE MILWAUKEE, WISCONSIN 53201, U.S.A.

*Inventors* : THOMAS JOHN DOUGHERTY AND VICTOR WILLIAM BAST.

Application No. 847/Cal/77 filed June 7, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 claims

A lead acid type storage battery comprising :

a battery case having a bottom and four side walls, at least one partition for dividing the case into two or more cell compartments and a cover;

a battery element disposed within each cell compartment, each element comprising a single fold positive polarity battery plate and a single fold negative polarity battery plate, each of said plates having a vertical median bight surface at the fold and two integral substantially parallel pasted spaced apart frame members extending from the bight to provide a bifurcated plate configuration with each plate member providing a pair of pasted surfaces, each plate having a conductive lug proximate the bighted surface, said plate frame members being interleaved whereby one of the positive plate frame members extends into the bight of the negative polarity plate toward the negative bighted surface spatially separated from the negative frame members pasted surfaces, and an N-shaped nonconductive separator sheet providing separator surfaces disposed between all adjoining surfaces of said plates;

the conductive lug of each plate being joined to the conductive lug of an opposite polarity plate in the adjoining cell by a connection through the intervening partition, and the unjoined conductive lugs of the end-most cells being coupled to the terminal posts extending outside the battery case; and

means for venting the interior of each cell to the outside of the battery case.

Comp. Specn. 12 pages.

Drg. 3 sheets

CLASS 85J & R

149010.

Int. Cl.-F27d 9/00, F27b 1/00, F28d 1/06.

COOLER FOR BLAST FURNACE.

*Applicant* : VSESOUZNY NAUCHNO-ISSLEDOVATELSKY I PROEKTNY INSTITUT PO OCHISTKE TEKHNOLOGICHESKIKH GAZOV, STOCHNYKH VOD I ISPOLZOVANIJU VTORICHNYKH ENERGORESUSOV PREDPRIYATY CHERNOI METALLURGII "VNIPICHE-RMEI ENERGOOCHISTKA", OF PROSPEKT LENINA, 9, U.S.S.R.

*Inventors* : LEV DMITRIEVICH GRITSUK, ANATOLY STEPANOVICH GORBIK, VLADIMIR MIKHAILOVICH ANTONOV, LEONID DAVIDOVICH GOLOD, EVGENY GRIGORIEVICH BELKIN, MIKHAIL GENNADIEVICH GORELIK, VLADIMIR ALEXANDROVICH KARYPOV, KORNELI GRIGORIEVICH DASHKEVICH AND YAKOV IZRAILEVICH GORODETSKY.

Application No. 52/Cal/78 filed January 16, 1978

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A cooler for metallurgical blast furnaces, comprising a plate adapted to protect the furnace walls against the heat effect and a means for cooling said plate, made in the form of metal pipes filled with a coolant and sealed at ends thereof, the coolant-containing ends of said pipes being rigidly fixed in the plate while the coolant-free ends thereof are mounted in a cooling chamber, with the coolant circulating therethrough, arranged exteriorly of the furnace wall body, and the coolant-free ends of the pipes being slightly above those containing the coolant, characterized by that, the said plate is formed of two layers, a high-heat-conducting layer and a low-heat-conducting layer, the former facing the

furnace working space and the latter facing the furnace wall body, the interfacial plane of said layers being parallel to the longitudinal axis of said pipes and in which each pipe is provided with a partition extending short of the pipe ends and in parallel with the pipe longitudinal central axis, said partition defining two cavities, a heat-absorbing cavity adjacent to the high-heat-conducting layer, the partition plane being substantially coincident with the interfacial plane of the two layers.

Comp. Specn. 20 pages.

Drg. 2 sheets.

CLASS 97A & F 108C-

149011.

Int. Cl.-C21c 5/52, F27I 11/10.

MULTI-BAY STEEL PRODUCTION PLANT WITH ONE OR MORE ELECTRIC ARC FURNACES.

*Applicant* : GUTTENHOFFNUNGSHUTTE STERKRADE AKTIENGESELLSCHAFT, BAHNHOFSTR. 66. 42 OBERHAUSEN 11, WEST GERMANY.

*Inventor* : OBER INGENIEUR GUNTER WOLTERS.

Application No. 267/Cal/78 filed March 14, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

Multi-bay steel production plant having one or more electric arc furnaces which are surrounded by a closed, sound-insulating compartment provided with means for removing exhaust gases by suction, characterised in that the compartment is made of sound-absorbing material and stands on the furnace platform and surrounds a tapping opening in the furnace floor, and the vertical wall (16) situated in the region of the charging crane (15) forms together with the upper cover (17) of the compartment approximately over the width of the furnace vessel (4) a gantry which can be made to travel laterally, and before the tapping opening (9) there are provided on the steel works floor (24) rails (23) for a transfer vehicle (22) for transporting the casting ladle (10).

Comp. Specn. 12 pages.

Drg 2 sheets.

CLASS 55E1

149012.

Int. Cl.-A61k 23/00, C12k 5/00.

A PROCESS FOR PRODUCING A VACCINE FOR USE IN THE IMMUNOTHERAPY OF NEOPLASTIC DISEASE.

*Applicant & Inventor* : DUNCAN LEE MCCOLLESTER, BEFCH LANE, TARRYTON, STATE OF NEW YORK-10591, UNITED STATES OF AMERICA.

Application No. 358/Del/78 filed May 11, 1978.

Addition to No. 396/Del/77.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims. No drawings.

A process for producing a vaccine for use in the immunotherapy of neoplastic disease, said vaccine being produced by :

- obtaining an amount of cancerous tissue from the patient to be treated and suspending said tissue in an aqueous solution of between about 100 and 150 millimolar sodium chloride and between about 5 and 15 millimolar sodium EDTA,
- disaggregating the tissue into its component cells;
- suspending the cells in water;
- subjecting the suspended cells to hydrodynamic turbulence sufficient to disrupt the cells and detach therefrom the cell components possessing cancer-specific antigens; and
- contacting and admixing the cell components obtained in step (d) with a source of manganous-ion to form the vaccine.

Comp. Specn. 25 pages.

Drgs. Nil.

## CLASS 37A &amp; B

149013.

Int. Cl.-B01d 21/26.

CENTRIFUGE SCREWN PARTICULARLY FOR A THRUST-TYPE CENTRIFUGE.

*Applicant* : ESCHER WYSS LIMITED, OF HARDSTRASSE 319, 8023 ZURICH (SWITZERLAND).

*Inventor* : LEONHARD SPIEWOK.

Application No. 768/Cal/78 filed July 12, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims

Centrifuge screen, more particularly for a thrust-type centrifuge, having screen bars consisting of a hard material and extending axially of the centrifuge drum, said bars being fixed on a supporting frame, wherein the screen bars extending axially of the centrifuge drum bear over the entire length on the supporting frame and are connected to the supporting frame by an adhesive binding which extends over the full length of the screen bars.

Comp. Specn. 10 pages.

Drg. 3 sheets.

## CLASS 35E

149014.

Int. Cl.-C04b 35/00.

METHOD OF MANUFACTURING BASIC REFRACTORIES.

*Applicant* : ORISSA CEMENT LIMITED, OF RAJ-GANGPUR, DIST. SUNDARGARH, ORISSA, INDIA.

*Inventors* : RAMA KANT SHARMA AND DR. SHYAM LAXMAN KOLHAKAR.

Application No. 1375/Cal/78 filed December 26, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims No drawings.

A method of manufacturing basic refractories consisting of magnesite, mag-chrome or chrome-mag which comprises adding upto 8 parts by wt. of a chemical binding agent, alumino-chrome-phosphate, to 100 parts by wt. of the basic refractory aggregates, adding water to the mix, intimately mixing the ingredients to a mouldable consistency, shaping the wet mix into desired shapes, drying the shaped masses at a temperature of 100–300°C, and, if desired, firing the dried shaped masses at a temperature of over 1350°C.

Comp. Specn. 5 pages.

Drgs. Nil.

## CLASS 61A &amp; 61B

149015.

Int. Cl.-F 26 b 19/00.

## A DRIER.

*Applicant & Inventor* : SRINIVASAGAM PILLAI RAMASAMY, B.E., 24/2 ACHARAPPAN STRFET, MADRAS-600 001, TAMIL NADU.

Application No. 92/Mas/79 filed May 28, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 10 Claims

A drier comprising a chamber with a perforated base for receiving the material to be dried thereon, the perforations allowing air, but not the material, to pass therethrough; means for supplying heated air at a predetermined temperature, said means being connected to means for discharging the heated air at the base of the chamber at a predetermined pressure, the said heated air thus forcing itself through the perforated base and the material, before passing out of the chamber through an outlet provided therefor, thereby drying the material.

Comp. 12 pages.

Drg. 1 sheet.

## CLASS 195C

149016.

Int. Cl.-G 05 d 16/02.

AN IMPROVED FLUID PRESSURE REGULATING APPARATUS.

*Applicant & Inventor* : KADIRAMANGALAM SUBRAMANIA VENKETRAMAN, ASIATIC ENGINEERING SERVICES, 28-F, WALLERS ROAD, MADRAS-600002, TAMIL NADU.

Application No. 168/Mas/79 filed September 6, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 18 Claims

An improved fluid pressure regulating apparatus comprising a main body provided with an inlet opening adapted to be fitted to the outlet of a fluid container for letting in the said fluid to the apparatus, a means for measuring the pressure of the fluid coming out from the fluid container, a regulating means to let out the fluid at a predetermined pressure depending on the requirement of the working condition, and a safety valve means provided with known safety valve mechanism; said regulating means consisting of an axially displaceable valve element, the said valve element comprising of a valve housing having inlet and outlet apertures at the lower and upper ends thereof, a carrier means provided above the valve housing and a spindle element so provided that one end is anchored on to the said carrier means while the other end connects the valve housing to open and close the inlet aperture; the said valve element being actuated by a manually operable piston associated therewith, to vary the pressure of the fluid coming out from the apparatus depending on the degree of displacement of the said piston member.

Com. 16 pages.

Drwgs 2 sheets, each of size 31.00 cms × 41.00 cms.

## CLASS 20A

149017.

Int. Cl.-G 01 g 5/04.

## AN IMPROVED WEIGHING DEVICE.

*Applicant & Inventor* : LAKSHMINAICKENPALAYAM GOVINDASWAMY VARADARAJ, OF "SUJAY", 15, TEA ESTATES, RACE COURSE, COIMBATORE-641018, TAMIL NADU.

Application No. 171/Mas/79 filed September 10, 1979

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 11 Claims

An improved weighing device comprising a load bearing platform and a like platform, wherein said lower platform houses at least two pairs of articulated arms on whose load transmitting surfaces are provided means consisting of grooves, slits or like whereupon said load bearing platform provided with corresponding means sits to convey the loading stress through said arms on to an element centrally and movably provided within the housing of a hydraulic load cell equidistantly disposed from said grooves, slits or like, said hydraulic load cell being comprised of a fluid containing chamber separated from said element by a diaphragm, and said fluid containing chamber being connected to a precalibrated load indicating device.

Com 9 pages.

Drwgs. 2 sheets, one sheet of size 31.00 cms × 41.00 cms.

## CLASS 199 &amp; 24F

149018.

Int. Cl.-G 01 f 2312.

## A FLUID LEVEL INDICATOR.

*Applicant* : LUCAS INDUSTRIES LTD., OF GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

*Inventor* : GLYN PHILLIP REGINALD FARR.

Application No. 190/Mas/79 filed October 29, 1979.

Convention date: 1-11-1978 (no. 42762/78 United Kingdom).

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 7 Claims

A fluid level indicator for a reservoir having two chambers separated by a dividing wall, comprising a float, and signal producing means actuatable by the float, the float including two hollow parts for insertion into the respective reservoir chambers on opposite sides of the dividing wall, said float parts being rigidly connected and having their hollow interiors communicating with each other through means open to the said hollow interiors at or near their upper ends of said float parts and the lower ends of the float parts being open, whereby air within the float is pressurised upon insertion of the float into a previously filled reservoir and the float is sensitive to the fluid levels in both reservoir chambers for actuating the signal producing means in response to a fall of liquid level in either reservoir chamber.

Com. 9 pages.

Drwgs. 2 sheets.

CLASS 153

149019.

Int. Cl.-B24 d 5/04.

AN IMPROVED ABRASIVE GRINDING WHEEL AND A PROCESS FOR MANUFACTURING THE SAME.

*Applicant* : CARBORUNDUM UNIVERSAL LTD., 28, RAJAJI SALAI, MADRAS-600001, TAMIL NADU.

*Inventors* : (1) LAKSHMINARAYAN RANGA-NATHAN & (2) SANJAY MUKHERJEE.

Application No. 211/Mas/79 filed November 24, 1979.

Complete specification left August 21, 1980.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 8 Claims. No drawing.

An improved abrasive grinding wheel characterised in that said wheel is reinforced by incorporating at least one layer of wire mesh therein.

Prov. 4 pages.

Com. 8 pages.

CLASS 190B

149020.

Int. Cl. F 03 d 3/00.

A TWIN TURBINE VORTEX POWER RECOVERY DEVICE.

*Applicant* : INDIAN INSTITUTE OF SCIENCE, BANGALORE-560012, KARNATAKA.

*Inventor* : MUSIRI ANANTHAPADMANABHA RAO BADRI NARAYAN.

Application No. 213/Mas/79 filed November 29, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 5 Claims

A twin turbine vortex power recovery device comprising a cylindrical cage having a plurality of inclined guide vanes spaced around it, a rotatable shaft extending through the cage, a first turbine and a second turbine provided with the cage, the blades of the turbines being set at opposite pitch angles, the cage being adapted to admit air from wind or industrial exhaust gases through gaps between the guide vanes imparting to the air or the said gases a circulatory motion to form a vortex and pass through the turbines rotating therein.

Com. 8 pages.

Drwgs. 1 sheet.

CLASS 53A

149021.

Int. Cl. B 62 b 1/08.

A BICYCLE STAND.

*Applicant & Inventor* : VELLORE SHROFF ANANDA SAGAR, 9, CAR STREET, TRIPPLICANE, MADRAS-600 005, TAMIL NADU.

Application No. 216/Mas/79 filed December 5, 1979.

Complete Specification left December 31, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 3 Claims

A bicycle stand comprising a fastening member for being fastened to one end of a bicycle pedal; a spring-loaded strut movably attached to the fastening member, the said strut being foldable under the pedal whenever not in use, and being unfoldable to extend downwardly beyond the pedal to serve as a stand.

Prov. 2 pages;

Com. 5 pages;

Drws. 2 sheets.

CLASS 104C

149022.

Int. Cl.-C 08 c 7/10.

A METHOD OF PRESERVING NATURAL RUBBER LATEX FROM DETERIORATION.

*Applicant & Inventors* : CHITTUR SUBRAMANIA IYER KRISHNASWAMY & CHITTUR KRISHNASWAMY SUBRAMANIAM, NO. 20, BESANT AVENUE ROAD, SRI PADMANABHA NAGAR, STAGE-2, MADRAS-600020, TAMIL NADU.

Application No. 99/Mas/80 filed May 30, 1980.

Division of 185/Mas/78 filed October 7, 1978.

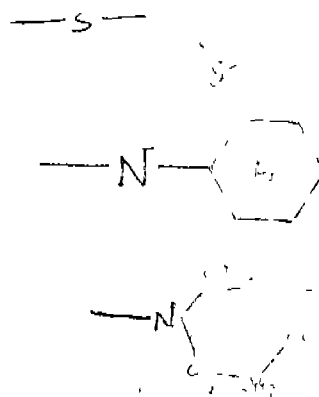
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 17 Claims

A method of preserving natural rubber latex from deterioration, comprising treating the latex with at least 0.05% by weight of ammonia, at least 0.001% by weight of a thiuram compound having general formula shown in Fig. 1 of the accompanying drawings.



in which R<sub>1</sub> is H or any of the groups having structures shown in Figs. 2 to 4 of the drawings.



and at least 0.001% by weight of a metallic oxide such as herein defined, all said weights being expressed in terms of the total weight of the latex.

Com. 9 pages.

Drwgs. 1 sheet.

CLASS 32F(a)

149023.

Int. Cl. C 07 c 135/00.

IMPROVEMENTS IN OR RELATING TO A PROCESS FOR THE PREPARATION OF 4-n-ALKYL-4'-CYANO BIPHENYLS.

**Applicant :** RAMAN RESEARCH INSTITUTE, HEBBAL, BANGALORE-560006, KARNATAKA.

**Inventors :** (1) BUKKINAKERE KAPANIPATHAIYA SADASHIVA, (2) MANIVALA RAMAKRISHNAIAH SUBRAHMANYAM.

Application No. 195/Mas/80 filed October 30, 1980.

Division of 66/Mas/78 filed June 2, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims. No drawing.

In the process of preparing 4-n-alkyl-4'-cyano biphenyls as claimed in Indian Patent No. 144701, the step of reducing 4-n-acyl biphenyl to 4-n-alkyl-biphenyl, characterised in that the said reduction is carried out by treating 4-n-acyl-biphenyl with a solution of sodium or lithium in liquid ammonia.

Com. 6 pages.

#### PATENTS SEALED

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#### RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 113466 granted to Gorresen's Pty. Limited for an invention relating to "improvements in hydrocalcic cement containing inert material". The patent ceased on the 5th December, 1979 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 18th October, 1980.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 15th October, 1981 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the

bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 146422 granted to Metal Engineering & Treatment Co., for an invention relating to "improvements in or relating to power Transmission screws". The patent ceased on the 2nd May, 1980 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 28th March, 1981.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 15th October, 1981 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 150065. Manik Metals & Trading Company Private Limited, an Indian Company of 122-124-A, Jolly Maker Chamber No. 2, Nariman Point, Bombay-400021, Maharashtra, India. "Jug". October 15, 1980.

Class 1. No. 150066. Manik Metals & Trading Company Private Limited, an Indian Company of 122-124-A, Jolly Maker Chamber No. 2, Nariman Point, Bombay-400021, Maharashtra, India. "Fruit Bowl". October 15, 1980.

Class 1. No. 150067. Manik Metals & Trading Company Private Limited, an Indian Company of 122-124-A, Jolly Maker Chamber No. 2, Nariman Point, Bombay-400021, Maharashtra, India. "Tiffin Carrier". October 15, 1980.

Class 1. No. 150068. Manik Metals & Trading Company Private Limited, an Indian Company of 122-124-A, Jolly Maker Chamber No. 2, Nariman Point, Bombay-400021, Maharashtra, India. "Lid". October 15, 1980.

Class 1. No. 150069. Manik Metals & Trading Company Private Limited, an Indian Company of 122-124-A, Jolly Maker Chamber No. 2, Nariman Point, Bombay-400021, Maharashtra, India. "Serving Dish-Thali". October 15, 1980.

Class 1. No. 150072. Jaiprakash Anant Sathe, an Indian Citizen of 1187/25, Ghole Road, Poona-411005, Maharashtra, India. "Clamp-cum-nut". October 15, 1980.

Class 3. No. 150023. Mahavir Plastic Industries, 47, Unique Industrial Estate, Dr. Rajendra Prasad Road, Opp. Jawahar Talkies, Mulund (West), Bombay-400080, Maharashtra, an Indian Proprietary Concern. "Jerry Cane". October 7, 1980.

Class 3. No. 150071. Eimco Engineers, an Indian Partnership Firm of 80, Feet Road, Rajkot-3, Gujarat, India. "Gas Lighter". October 15, 1980.

Class 3. No. 150227. Indian Craft Industries of C-37, Royal Optical Industrial Estate, Wadala, Bombay-400031, Maharashtra, an Indian Partnership Firm. "Tooth Brush". December 18, 1980.

S. VEDARAMAN  
Controller General of Patents,  
Designs & Trade Marks.

